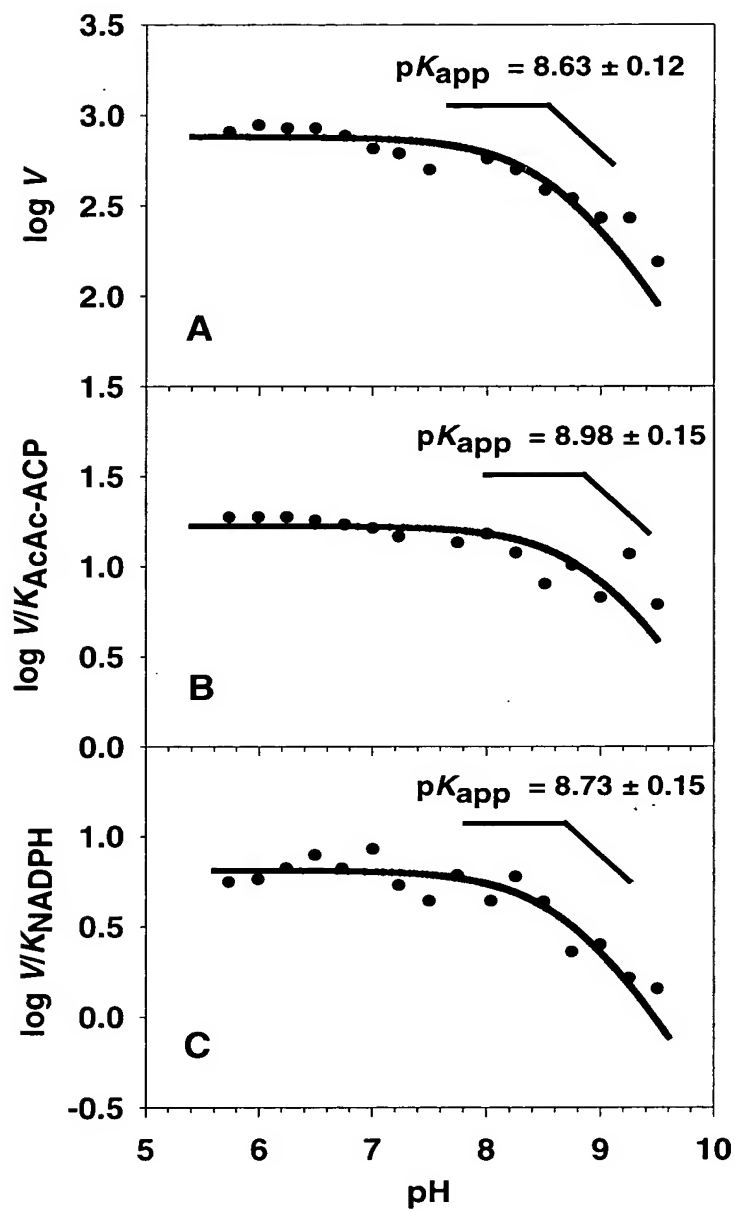Figure 1

Figure 2

Figure 3.

Figure 4.

Model A

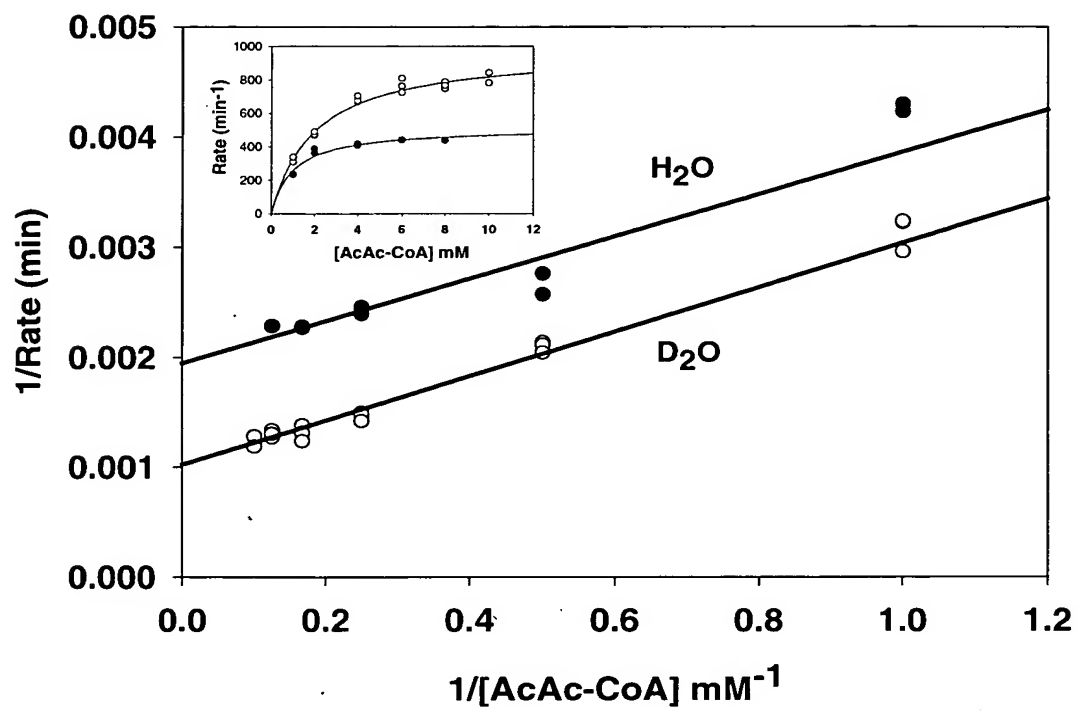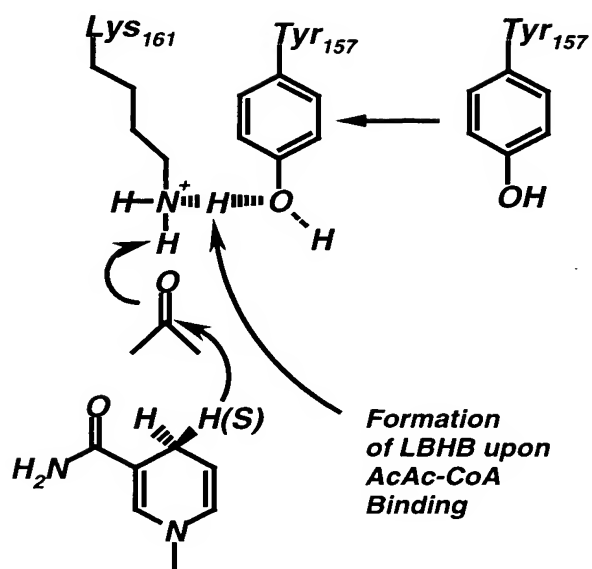Lys₁₆₁   Tyr₁₅₇   Tyr₁₅₇

OH

H—N⁺ⁱⁱⁱ Hⁱⁱⁱⁱ O
H   H

O

H   H(S)

H₂N

N

*Formation
of LBHB upon
AcAc-CoA
Binding*

Model B

Lys₁₆₁   Tyr₁₅₇

*7/9 Asp Residues
Conserved Amongst
FabG Sequences!*

H—N⁺- H---OⁱⁱⁱⁱHⁱⁱⁱ O⁻
H

O

Asp

O

H   H(S)

H₂N

N

*Formation
of LBHB upon
AcAc-CoA
Binding*

Figure 5.

(1)

(2)

NADP+
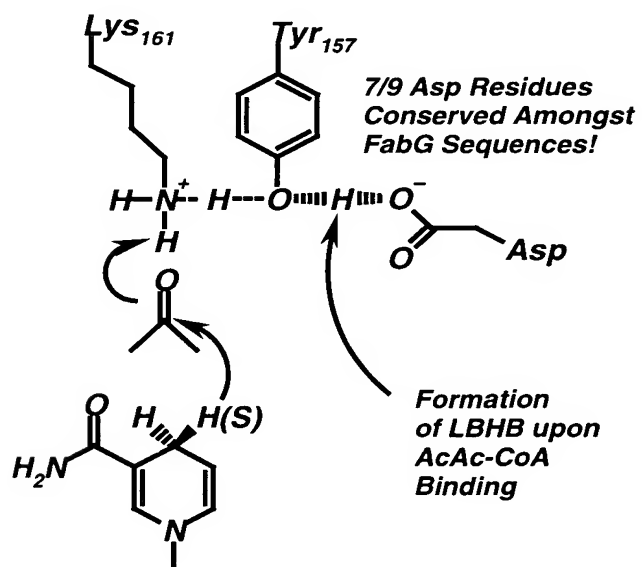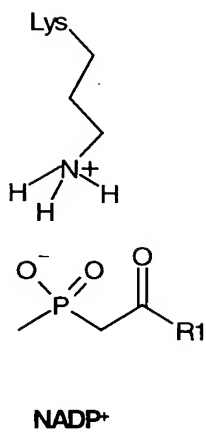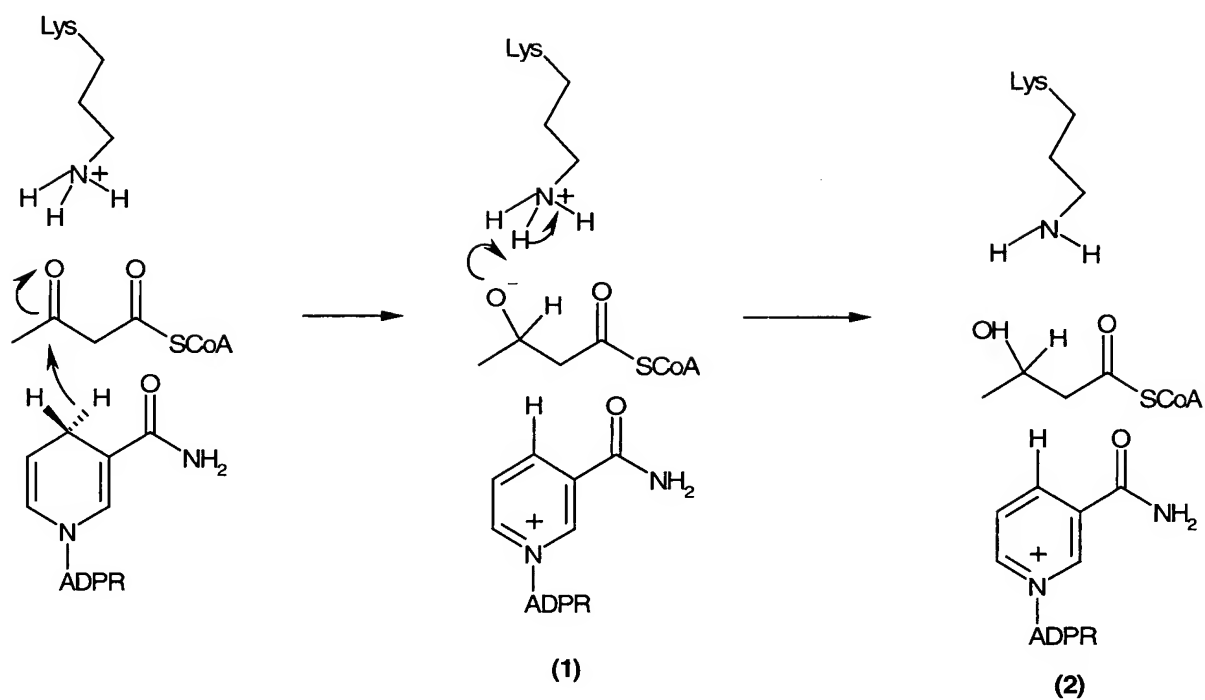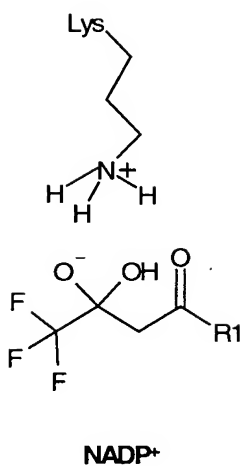
(3)

NADP+

(4)

R1 = CoA or a derivative thereof including: